



UNITED STATES PATENT AND TRADEMARK OFFICE
(Attorney Docket No. 12447US03)

the Application of:

Ravi Chandran et al.

Serial No. 10/019,617

Filed: May 28, 2002

For: Coded Domain Noise Control

Examiner: James S. Wozniak

Group Art Unit: 2626

EXPRESS MAIL:

EV 726843586 US

DATE:

July 10, 2006

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sirs:

Pursuant to 37 C.F.R. § 1.97-1.98 and in compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, it is respectfully requested that the following references be considered in the examination of the above-identified patent application:

<u>U.S. Patent No.</u>	<u>Date</u>	<u>Name</u>
4,899,384	02-06-1990	Crouse et al.
5,140,543	08-18-1992	Tanaka
5,751,903	05-12-1998	Swaminathan et al.
5,828,995	10-27-1998	Satyamurti et al.
5,835,889	11-10-1998	Kapanen
5,847,303	12-08-1998	Matsumoto
5,946,651	08-31-1999	Jarvinen et al.
6,104,992	08-15-2000	Gao et al.
6,266,632	07-24-2001	Kato et al.

07/12/2006 HDETA1 00000090 130017 10019617
01 FC:1806 180.00 DA

6,330,534	12-11-2001	Yasunaga et al.
6,556,844	04-29-2003	Mayer

OTHER PUBLICATIONS

1. A.M. KONDOZ, "Digital Speech Encoding for Low Bit Rate Communications Systems," Chapter 2, pp. 5-32, John Wiley & Sons, 1994.
2. A.M. KONDOZ, "Digital Speech Encoding for Low Bit Rate Communications Systems," Chapter 3, pp. 35-77, John Wiley & Sons, 1994.
3. A.M. KONDOZ, "Digital Speech Encoding for Low Bit Rate Communications Systems," Chapter 6, pp. 141-213, John Wiley & Sons, 1994.
4. GSM 04.53, "Digital cellular telecommunications system (Phase 2+); Inband Tandem Free Operation (TFO) of Speech Codecs," October 1998.
5. GSM 06.20, "Digital cellular telecommunications system (Phase 2+); Half rate speech; Half rate speech transcoding," May 1998.
6. ITU-T Recommendation G.169 Draft 7, "Automatic Level Control Devices," July 1998.
7. ITU-T Recommendation G.711, "General Aspects of Digital Transmission Systems," 1993.
8. L. RABINER & R. SCHAFER, "Digital Processing of Speech Signals, Chapter 5, pp. 179-216, Signal Processing, Prentice-Hall, 1978.
9. GSM 06.31, version 5.0.1, "Digital cellular telecommunications system; Full rate speech; Discontinuous Transmission (DTX) for full rate speech traffic channels," May 1997.

The above-identified references are listed on the attached Form PTO/SB/08a and copies are also enclosed herewith. This submission is in no way intended as an admission that the above-cited references constitute prior art. Applicant expressly retains the right to take any actions necessary to remove the above-cited references from the available prior art. Consideration of the above-identified references in the examination of the present patent application is respectfully requested.

The Commissioner is hereby authorized to charge the \$180.00 fee set forth in 37 C.F.R. 1.17 (p) to the Deposit Account of McAndrews, Held & Malloy, No. 13-0017. Additionally, the Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Account No. 13-0017.

Respectfully submitted,

July 10, 2006
Date

James H. Williams
James H. Williams
Registration No. 56,883

MCANDREWS, HELD & MALLOY, LTD.
500 West Madison Street, 34th Floor
Chicago, Illinois 60661
Telephone: (312) 775-8000
Facsimile: (312) 775-8100

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

U.S. Patent and Trademark Office
USPTO Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

Complete if Known

<i>Application Number</i>	10/019,617
<i>Filing Date</i>	05/28/2002
<i>First Named Inventor</i>	Ravi Chandran
<i>Art Unit</i>	2626
<i>Examiner Name</i>	James S. Wozniak
<i>Attorney Docket Number</i>	12447US03

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

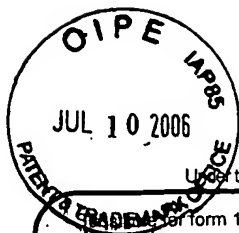
**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/08b(08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

USPTO Form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	10/019, 617
Filing Date	05/28/2002
First Named Inventor	Ravi Chandran
Art Unit	2626
Examiner Name	James S. Wozniak
Attorney Docket Number	12447US03

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C-1	A.M. KONDOZ, "Digital Speech Encoding for Low Bit Rate Communications Systems," Chapter 2, pp. 5-32, John Wiley & Sons, 1994.	
	C-2	A.M. KONDOZ, "Digital Speech Encoding for Low Bit Rate Communications Systems," Chapter 3, pp. 35-77, John Wiley & Sons, 1994.	
	C-3	A.M. KONDOZ, "Digital Speech Encoding for Low Bit Rate Communications Systems," Chapter 6, pp. 141-213, John Wiley & Sons, 1994.	
	C-4	GSM 04.53, "Digital cellular telecommunications system (Phase 2+); Inband Tandem Free Operation (TFO) of Speech Codecs," October 1998.	
	C-5	GSM 06.20, "Digital cellular telecommunications system (Phase 2+); Half rate speech; Half rate speech transcoding," May 1998.	
	C-6	ITU-T Recommendation G.169 Draft 7, "Automatic Level Control Devices," July 1998.	
	C-7	ITU-T Recommendation G.711, "General Aspects of Digital Transmission Systems," 1993.	
	C-8	L. RABINER & R. SCHAFER, "Digital Processing of Speech Signals, Chapter 5, pp. 179-216, Signal Processing, Prentice-Hall, 1978.	
	C-9	GSM 06.31, version 5.0.1, "Digital cellular telecommunications system; Full rate speech; Discontinuous Transmission (DTX) for full rate speech traffic channels," May 1997.	

Examiner Signature	Date Considered
-----------------------	--------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.